

# ORTHOSIS HAVING THERMALLY DEFORMING PROPERTY

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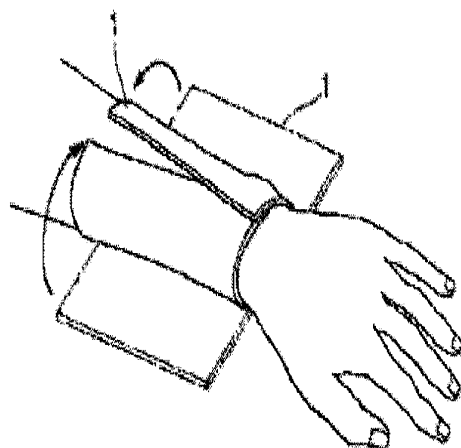
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## Abstract of **JP9234241**

**PROBLEM TO BE SOLVED:** To provide an inexpensive orthosis which can easily be thermal- deformed from a standard shape to a user-specific shape and reduces the disposal problem after use. **SOLUTION:** A thermally deformable orthosis is made from a poly-lactic acid resin with a glass-transition point of 40 to 80 deg.C. The resin is formed in a standard orthosis shape, the orthosis is thermal-deformed at a temperature higher than the glass-transition point and lower than the molding temperature (for example, bathed in hot water), then the orthosis is cooled to a temperature lower than the glass-transition point with keeping the deformed shape (for example, naturally cooled in the air) and fixed its deformed shape. As mentioned above, a standard shape orthosis is thermal-deformed and a user-specific shaped orthosis 1 is obtained.



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